

CONTENTS

G. E. Albert and J. L. Synge: The general problem of antenna radiation—Part I	117
H. I. Ansoff and J. A. Krumhansl: A general stability criterion for linear oscillating systems with constant time lag	337
G. K. Batchelor: Energy decay and self-preserving correlation functions in isotropic turbulence	97
A. E. Benfield: A problem of the temperature distribution in a moving medium	439
D. G. Bourgin: Two problems of mixed type for the damped wave equation	279
L. Brillouin: A practical method for solving Hill's equation	167
G. F. Carrier: The extrusion of plastic sheet through frictionless rollers	186
G. F. Carrier: On the stability of the supersonic flows past a wedge	367
G. F. Carrier and F. E. Ehlers: On some singular solutions of the Tricomi equation	331
G. F. Carrier and C. C. Lin: On the nature of the boundary layer near the leading edge of a flat plate	63
J. L. B. Cooper: The solution of natural frequency equations by relaxation methods	179
J. B. Diaz and H. J. Greenberg: Upper and lower bounds for the solution of the first boundary value problem of elasticity	326
B. Dimsdale: On Bernoulli's method for solving algebraic equations	77
D. W. Dudley: (see H. Poritsky)	
F. E. Ehlers: (see G. F. Carrier)	
B. Epstein: A method for the solution of the Dirichlet problem for certain types of domains	301
F. N. Frenkiel: On third-order correlation and vorticity in isotropic turbulence	86
B. E. Gatewood: Note on the thermal stresses in a long circular cylinder of $m - 1$ concentric materials	84
A. Gleyzal: A mathematical formulation of continuous deformation problems	429
H. J. Greenberg and R. Truell: On a problem in plane strain	53
H. J. Greenberg: (see J. B. Diaz)	
A. E. Heins: The radiation and transmission properties of a pair of semi-infinite parallel plates—I	157
A. E. Heins: The radiation and transmission properties of a pair of parallel plates—II	215
B. L. Hicks: Diabatic flow of a compressible fluid	221
B. L. Hicks: On the characterization of fields of diabatic flow	405
J. Kampé de Fériet: Harmonic analysis of the two-dimensional flow of an incompressible viscous fluid	1
R. King and D. Middleton: Additional corrections to our paper "The Cylindrical antenna: Current and impedance"	192
J. A. Krumhansl: (see H. I. Ansoff)	
M. Z. Krzywoblocki: A general approximation method in the theory of plates of small deflection	31
C. C. Lin: (see G. F. Carrier)	
C. G. Maple and J. L. Synge: Aerodynamic symmetry of projectiles	345
D. Middleton: (see R. King)	
E. Pinney: Aerodynamic forces on a slotted flat plate	81
G. Pólya: Torsional rigidity, principal frequency, electrostatic capacity and symmetrization	267

H. Poritsky and D. W. Dudley: Conjugate action of involute helical gears with parallel or inclined axes	193
H. Poritsky: Homogeneous harmonic functions	379
H. Poritsky: Linearized compressible flow	389
R. C. Prim: On a family of rotational gas flows	319
R. Redheffer: Errors in simultaneous linear equations	342
P. I. Richards: General impedance-function theory	21
S. A. Schaaf: Zonal combustion in tubes	257
W. R. Sears: A new treatment of the lifting-line wing theory, with applications to rigid and elastic wings	239
F. S. Shaw: The approximate numerical solution of the non-homogeneous linear Fredholm integral equation by relaxation methods	69
C. Bassel Smith: Effect of hyperbolic notches on the stress distribution in a wood plate	452
H. J. Stewart: The lost solutions in axially symmetric irrotational compressible fluid flow	334
P. S. Symonds: On the general equations of problems of axial symmetry in the theory of plasticity	448
J. L. Synge: The method of the hypercircle in elasticity when body forces are present	15
J. L. Synge: The general problem of antenna radiation—Part II	133
J. L. Synge: (<i>see G. E. Albert</i>)	
J. L. Synge: (<i>see C. G. Maple</i>)	
H. P. Thielman: On a class of singular integral equations occurring in physics	443
D. Trifan: On the plastic bending of circular plates under uniform transverse loads	417
R. Truell: (<i>see H. J. Greenberg</i>)	
A. Wintner: A norm criterion for non-oscillatory differential equations	183
Book Reviews	90, 344, 456

